



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 4, 2019

Michael G. Sarli  
Sr. Director Regulatory Affairs  
Chemsico, Div. of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114

Subject: Label Amendment – Label updates including marketing claims  
Product Name: Chemsico Herbicide Formula D  
EPA Registration Number: 9688-143  
Application Date: 2.12.2019  
Decision Number: 552505

Dear Mr. Sarli:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Emily Schmid at 703-347-0189 or by email at [schmid.emily@epa.gov](mailto:schmid.emily@epa.gov).

Sincerely,

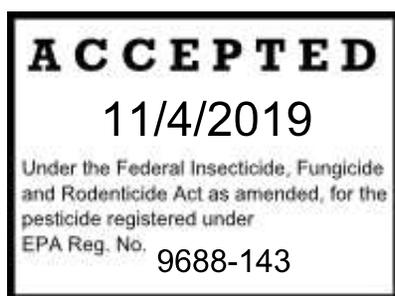
A handwritten signature in blue ink that reads "Emily Schmid for". The signature is written in a cursive style.

Mindy Ondish, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# Chemsico

## Herbicide Formula D



Active Ingredient	w/w%
Dithiopyr* .....	1.90%
Other Ingredients .....	98.10%
Total .....	100.00%

\*CAS No. 97886-45-8

[Product protected by U. S. Patent No. 4,692,184. Other patents pending.]

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION** See [back] [side] [panel] [booklet] for additional precautions and first aid statement

**NET CONTENTS 1 QT. (946 mL)**

### OPTIONAL MARKETING LANGUAGE

[Long lasting weed preventer • Stops weeds before they [can start to] grow • Stops weeds from growing and taking valuable nutrients and water from your ornamental plants and [or] lawn.]

This product provides pre-emergence control of listed annual grasses and broadleaf weeds in home lawns. It will not harm established ornamental plants as listed when applied as directed.

**STOP. Read ENTIRE label before use.**

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. *For outdoor residential use only. Not for use on plants being grown for sale, for research purposes, for commercial seed production, or other commercial use.*



**Keep people or pets off treated areas until the spray has dried.**

### WHAT IT DOES

Chemsico Herbicide Formula D provides pre-emergence control of crabgrass and other listed annual grasses and broadleaf weeds in your lawn. What does this mean to you? It means not only will you have a lawn free of the weeds listed below, you'll also have a lawn which will not have to compete with these weeds for space, water and essential nutrients.

### HOW IT WORKS

Chemsico Herbicide Formula D prevents weeds from growing by stopping the seeds from [developing] [germinating]. Because it affects only the seeds and newly emerged crabgrass, it won't harm established turf grasses when used as directed. It can also be used around the base of listed established ornamentals. Treat early in the spring before weeds sprout [germinate] to get maximum weed control. This product does not kill established weeds [except newly emerged crabgrass].

### WEEDS CONTROLLED

Barley, barnyard grass, bittercress, bluegrass (annual), brome, carpetweed, chickweed, crabgrass (large, smooth, Southern), crowfoot grass, dallis grass (seedling), geranium (Carolina), goosegrass, foxtail (green, yellow), henbit, knotweed (prostrate), kikuyu grass, lespedeza (common), marestalk, medic (black), mustard, oxalis (buttercup), pineappleweed, pigweed (redroot), parsley-piert, purslane (common), oats (wild), rocket (London), rye grass (annual, perennial), shepherds purse, smut grass, speedwell (corn), spurge (garden, prostrate, spotted), woodsorrel (creeping, yellow)

**LAWNS [GRASSES] WHICH CAN BE TREATED**

[Use on following types of lawns:] Bahia grass, Bentgrass (creeping), Bermuda grass, Bluegrass (Kentucky), Buffalo grass, Carpet grass, Centipede grass, Fescue (fine, tall), Kikuyugrass, Rye grass (perennial), Seashore paspalum, St. Augustine grass, Zoysia grass

**[Where to Use]**

[Lawns – Bermuda grass, Bluegrass, Centipede, Fescue, Perennial Ryegrass, St. Augustine, Zoysia \*See inside booklet for full list of lawns]

[Lawns – Bahia grass, Bentgrass (creeping), Bermuda grass, Bluegrass (Kentucky), Buffalo grass, Carpet grass, Centipede grass, Fescue (fine, tall), Kikuyugrass, Rye grass (perennial), Seashore paspalum, St. Augustine grass, Zoysia grass]]

**[When to Use]**

[Use on lawn which is well established. Delay treatment of a new lawn until it has received at least two mowings, so the lawn has time to develop a good root system.]  
[For best results, apply early in the season before weeds have started to germinate (sprout)]

Prevents 38+ grasses and broadleaf weeds Including Bluegrass, Crabgrass & Rye Grass

- Stop weeds before they start
- For use around landscaping
- Works up to 5 months
- Safe around flowers and ornamentals listed
- Treats up to 6,000 sq ft
- Provides pre-emergence and early post-emergence control of crabgrass]

**HOW TO APPLY**

(OPTIONAL DIRECTIONS - A)

**PRESSURE SPRAYERS**

Use 2 1/2 Tablespoons (1 1/4 fl. oz.) of product when treating in Northern regions and 5 Tablespoons (2 1/2 fl. oz.) when treating in Southern regions. See [map] [chart] for your region. Pour in the appropriate amount of product for your region into your sprayer [tank] and dilute with one gallon of water. Tightly close sprayer and shake well before treating. Use a spray pattern that gives small spray droplets without any fine mist and treat 250 sq. ft.

(OPTIONAL DIRECTIONS - B)

**DIAL HOSE-END SPRAYERS**

Sprayers requiring the addition of only the product prior to application:

To treat 1,000 sq. ft. of lawn:

- 1) Fill sprayer jar with 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region. Do not add water to sprayer.
- 2) Set dial on sprayer to the "1 fl. oz." setting when treating in Northern regions and to

the "2 fl. oz." setting when treating in Southern regions.

- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS - C)

**PRODUCT + WATER HOSE-END SPRAYERS**

Sprayers requiring the addition of both water and product prior to application:

To treat 1,000 sq. ft. of lawn:

- 1) Pour product into sprayer jar to the required "fl. oz." level. Add 5 fl. oz. of product when treating in Northern regions and 10 fl. oz. when treating in Southern regions. See [map] [chart] for your region.
- 2) Then add water to the 5 "gals." level. Replace sprayer top on jar and shake well before treating.
- 3) Attach sprayer to hose. Extend hose to the farthest area of lawn to be treated and work back toward faucet so that you do not walk over treated areas. Apply evenly to 1,000 sq. ft. of lawn.

(OPTIONAL DIRECTIONS - D)

**READY SPRAY NOZZLE**

**Shake container well before using.**

1. Connect garden hose to the spray ready nozzle. (graphic) Make sure the large water control dial on the nozzle is in the "OFF" position (tab is vertical). (graphic).
2. Turn on water at faucet. Extend hose to the farthest area to be treated and work back towards the faucet so you do not walk over treated area. Twist the small star-shaped, product control button to align the flat portion with the lock tab. Push the button in to open. (graphic).
3. To BEGIN spraying, point nozzle toward area to be treated and turn the large water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. (graphic)
4. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. One quart will treat 6,000 sq. ft. in northern regions and 3,000 sq. ft. In southern regions. See [map] [chart] for your region. Calculate square feet by multiplying length by width. Refer to [sight gauge] [Clear-View measuring window] to guide coverage (example, when bottle is half empty, you should have covered half the area).
5. To STOP spraying turn large water control dial to the "OFF" position. Push small product control button in to close. Twist the small star-shaped, product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off water at faucet. To relieve pressure, turn large water control dial to "ON" position and wait until water stops spraying before removing nozzle from hose.
6. To STORE unused product, place in cool area away from heat, direct sunlight or open flame.

**(OPTIONAL DIRECTIONS - E)**

**[Optional Subheadings: USING THE READY SPRAY NOZZLE, HOSE END SPRAYER INSTRUCTIONS, HOW TO USE THE [INSERT HOSE END SPRAYER NAME] or DIRECTIONS FOR HOSE END SPRAYER]**

1. Shake container well before using.
2. Connect a garden hose to the sprayer nozzle. Make sure switch is fully forward in the "OFF" position.
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area.
4. [Remove safety tab from sprayer's right side by pulling straight out. [[You may] Discard or keep for future re-use.]]
5. To BEGIN spraying, point nozzle toward treatment site and pull switch backwards [with thumb] [with finger] towards hose connection. Water will automatically mix with the product.
6. Spray until wet to control insects. Walk at a steady pace, working back toward the faucet while spraying using an even sweeping motion, slightly overlapping treated areas.
7. To STOP spraying, push switch forward [with thumb] [with finger] toward nozzle. Turn water off at faucet. To relieve pressure before removing nozzle from hose, pull switch backwards [with thumb] [with finger] towards hose connection until water stops spraying.
8. To STORE unused product, make sure switch is fully forward in the "OFF" position.
9. [Re-install safety tab into sprayer's right side. With sprayer in the full "OFF" position, push tab into position.]
10. Place in cool area away from heat, sunlight or open flame.

**RESTRICTIONS**

- Do not apply directly to the bare roots of ornamental plants, as injury may occur.
- Do not treat areas where plants are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury due to insects, nematodes or disease.
- You can reseed 5 months after application of this product.
- Do not apply under windy conditions that would cause the product to drift to sensitive plants.

**USE TIPS**

- Use on lawn which is well established. Delay treatment of a new lawn until it has received at least two mowings, so the lawn has time to develop a good root system.
- For best results, apply early in the season before weeds have started to germinate (sprout).
- Apply evenly, because poor coverage will result in uneven weed control.
- To prevent damage to the foliage or ornamentals, rinse leaves with water immediately after application to remove any spray from leaves.
- If your variety of lawn is not listed on this label, apply to a small area first. If grass becomes discolored, do not use this product.

**WHERE TO USE**

**{OPTIONAL MAP FORMAT}**



**{OPTIONAL TREATMENT CHART FORMAT}**

**NORTHERN REGION**

AZ, CA, CO, CT, DE, IA, ID, IL, IN, KS, KY, MA, ME, MD, MI, MN, MO, MT, ND, NE, NH, NJ, NY, NV, OH, OR, PA, RI, SD, UT, VA, VT, WA, WI, WV, WY

**SOUTHERN REGION**

AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN, TX

When you treat your lawn, you can also treat ornamentals listed below. To control listed weeds in ornamental plant beds, apply this product at the same application rate as for lawns in your region. Apply around the base of the following ornamentals: Abelia, Ajuga, Almond (Flowering), Apple\*, Arborvitae, Aster, Ash, Azalea, Bamboo, Barberry, Bearberry (Common), Birch, Blueberry\*, Bottlebrush, Boxwood, Broom Bugle Carpet, Carex (Variegated), Camellia, Cedar (Red), Cockscomb, Coleus, Copper leaf, Cotoneaster, Cycas, Coyotebrush, Cypress, Daffodil, Daylily, Dogwood, Douglas Fir, Dusty Miller, Elm, Euonymus, Fan Palm, Fescue, Fetterbush, Ficus, Forsythia, Fraser Fir, Gardenia, Geranium, Gum, Hawthorn, Heather, Hibiscus, Hemlock, Holly, Honeysuckle, Hosta, Ice Plant, Impatiens, Iris, Ivy, Jasmine, Juniper, Laurel (Australian, Mountain), Lily, Lily of the Valley, Lilyturf, Ligustrum (Japanese), Liriope, Maple, Marigold, Mock Orange\*, Mondo Grass, Moss Rose, Myrtle, Nadina, Oleander, Oak, Osteospermum, Palm, Pampas Grass, Paper Flower, Pachysandra, Peach\*, Periwinkle, Petunia, Photinia, Pieris, Pine, Pineapple\*, Pittosporum, Potentilla, Privet, Pyracantha, Quince\*, Rhododendron, Rodie Max, Rose, Rosemary\*, Salvia, Sedum, Spiraea, Spruce, Sourwood, Sweetflag, Sweetgum, Sycamore, Tree Fern, Tulip, Verbena, Vervain, Viburnum, Xylosma, Yaupon, Yew

**\*DO NOT EAT FRUIT OR VEGETABLES FROM TREATED PLANTS.**

## STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool dry place out of reach of children and pets.

**Pesticide Disposal and Container Handling: If empty:** Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available.  
**If partly filled:** Call your local solid waste agency or for disposal instructions. Never place unused product down any indoor or outdoor drain.

## PRECAUTIONARY STATEMENTS

### Hazards To Humans And Domestic Animals

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### First Aid

**If Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. **If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Have the product container or label with you when calling a Poison Control Center, doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment information.

### Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

### Physical or Chemical Hazards

COMBUSTIBLE. Do not use or store near heat or open flame.

**NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.**

**Questions or comments?** Call 1-800-917-5438

Chemsico, Division of United Industries Corporation

P.O. Box 142642, St. Louis, MO 63114-0642

EPA Reg. No. 9688-143

EPA Est. No. 9688-MO-1

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### List of Optional Marketing Claims

1. Season long weed control
2. Season long crabgrass preventer
3. One application lasts all season!
4. Stops weeds before they start
5. Prevents weeds all season
6. Prevents weeds in lawns
7. Won't harm flowers, shrubs, trees or lawn grasses listed
8. For use around roses and ornamental shrubs and trees listed
9. Safe around flowers and ornamentals listed
10. For use around landscaping
11. Prevents crabgrass
12. Prevents 38+ grasses and broadleaf weeds, including crabgrass
13. Provides pre-emergence and early post-emergence control of crabgrass
14. Prevents crabgrass all season
15. Prevents crabgrass up to 5 months
16. Works up to 5 months
17. One application lasts up to 5 months
18. Up to 5 month control
19. Fast and easy to use
20. For ready-spray nozzle: Just attach [connect] to your hose and spray
21. No mixing in soil required
22. Non-staining
23. Low odor [formula]
24. Treats up to 6,000 sq. ft.
25. Apply early [in the] spring [when soil temperatures reach 50 to 55 degrees Fahrenheit]

### Optional Marketing Claims to be Used with Sprayer Option E:

1. ErgoShot™ [Sprayer] [with Quick Flip Switch™]
2. Quick Switch™ [Sprayer]
3. Quick Flip™ [Sprayer]
4. AccuShot™ [Sprayer] [with Quick Flip Switch™]
5. EzSpray® [with Quick Flip Switch™]
6. New [sprayer name]
- 7.
8. Grip – Flip – Spray
9. Grip – Flip – Go
10. Grip – Switch – Spray
11. Grip – Switch – Go
12. Aim – Flip – Spray

- 
13. Aim – Flip – Go
  14. Aim – Switch – Spray
  15. Aim – Switch – Go
  16. [Just] Switch [Alternates: Flip, Grip] & Spray
  17. [With] Ambidextrous grip [for comfort]
  18. [With] Comfortable grip
  19. Easy & Effortless
  20. Easy [Alternate: Effortless] to use
  21. [With] Ergonomic grip [for comfort]
  22. [With] One-Handed grip [for ease of use] [comfort]
  23. Quick & Simple
  24. No twisting. [No fidgeting]. [Just] Switch and spray.
  25. No twisting. [No fidgeting]. [Just] Flip and spray.
  26. Switch [Alternates: Flip, Grip] and spray technology
  27. [With] Quick Flip Switch™ [for ease of use]
  28. [With] on/off switch [for ease of use]
  29. [With] switch [for ease of use]
  30. Simple [single-finger] [thumb] [on/off] switch
  31. One-handed grip is ambidextrous [and fits all hand sizes]
  32. Inline hose connection improves comfort [and reduces leaking concerns]
  33. Broad but targeted spray pattern [for larger areas]
  34. [Finally] A Ready-to-Spray [RTS] [hose-end sprayer] that truly is ready to spray